

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 – 35. Cancelled

36. (Currently Amended) ~~A breathing wall~~ An air permeable panel for ~~engaging~~ an intermediate cladding layer having filtering characteristics, ~~said breathing wall~~ the air permeable panel supporting the intermediate cladding layer and comprising: [[-]]

a plurality of projections interconnected in a lattice configuration, said projections each having a tip portion, the respective tip portions being arranged to face in a common direction ~~for engagement, in use,~~ to engage with ~~said the~~ intermediate cladding layer, each said projection further having a base periphery at which adjacent projections are interconnected, the base peripheries being interconnected such that apertures are defined between the base peripheries in the lattice configuration.

37. (Previously Presented) An air permeable panel according to claim 36, wherein said projections have a pyramidal form.

38. (Previously Presented) An air permeable panel according to claim 36, wherein the projections are provided as a hollowed element.

39. (Previously Presented) An air permeable panel according to claim 36, wherein the projections are configured to restrict penetration thereof into the intermediate cladding layer.

40. (Previously Presented) An air permeable panel according to claim 39, wherein the cross-sectional area of each projection increases along its longitudinal axis away from their tip portion.

41. (Currently Amended) ~~A building cladding system incorporating an air permeable panel according to claim 36; wherein a panel is provided on one or~~ An air permeable panel according to claim 36, comprising a second air permeable panel, wherein the air permeable panels are provided on both faces of said intermediate cladding layer.

42. (Currently Amended) ~~A building cladding system according to claim 41, further comprising a wall member, adjacent the panel and comprising an air permeable panel according to claim 36 and a first wall member,~~

wherein, said first wall member is for forming a wall of a building's envelope,  
and wherein said breathing wall panel is located adjacent to the first wall member and is coupled thereto.

43. (Currently Amended) ~~A building cladding system according to claim 42, comprising further comprising a second wall member, said second wall member for forming an external wall of the building's envelope,~~

wherein said first wall member forms an internal wall of the building's envelope,  
and

wherein said breathing wall panel is provided between said internal and external wall members within which the panel and intermediate cladding layer are provided walls.

44. (Currently Amended) A building cladding system according to claim 42, further comprising one or more edge members, configured to interconnect adjacent ~~intermediate cladding layers~~ breathing wall panels.

45. (Currently Amended) A building cladding system according to claim 44, wherein the edge members have limbs in a cross formation, the limbs being inclined similarly to surfaces of the projections on adjacent breathing wall panels for abutment thereto.

46. (Currently Amended) ~~A breathing wall~~ An air permeable panel for engaging with an intermediate cladding layer having filtering characteristics, the air permeable panel supporting the intermediate cladding layer by engaging with it, said air permeable panel comprising:[[ - ]]

a plurality of hollowed elements interconnected in a planar lattice arrangement, said hollowed elements facing in a common direction and being interspersed with apertures, the hollowed elements being interconnected at their base peripheries to define said apertures therebetween.

47. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein the hollowed elements have a pointed outer surface ~~for engaging~~ which engages with said intermediate cladding layer.

48. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein each hollowed element has a pyramidal form.

49. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein the intermediate cladding layer has a graduated filtering profile.

50. (Currently Amended) [[A]] An air permeable panel according to claim 46 49, wherein the filtering characteristics of the intermediate cladding layer are such as to trap relatively large particles towards an outer surface thereof and to trap relatively smaller particles towards the inner surface thereof.

51. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein the intermediate cladding layer has at least one of thermal and/or insulating properties and sound insulating properties.

52. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein the intermediate layer comprises one or more of:[-] mineral wool, wet-blown cellulose and glass wool.

53. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein the intermediate cladding layer is provided in the form of one or more of:[-] membranes, fibres, pulp or cellular based (foam or sponge) materials, or modified aerated concrete.

54. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein the cladding layer material comprises filter materials for one or more of:[-] particulate emissions, gas pollutants, chemical agents and biological agents.

55. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein the intermediate cladding layer material is provided in the form of one or more panel units.

56. (Currently Amended) [[A]] An air permeable panel according to claim 55, wherein the panel units forming the intermediate cladding layer are provided in modular format.

57. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein the intermediate cladding layer is formed of a plurality of one or more separate filter layers[, ] of different filtering characteristics.

58. (Currently Amended) [[A]] An air permeable panel according to claim ~~57~~ 46, wherein each filter layer of the intermediate cladding layer is selected to extract a specified range of particle sizes, gaseous pollutants, chemical pollutants, and/or biological agents.

59. (Currently Amended) [[A]] An air permeable panel according to claim 58, wherein the separate filter layers of the intermediate cladding layer together define substantially the complete filter spectrum of particulate and other pollution.

60. (Currently Amended) [[A]] An air permeable panel according to claim ~~58~~ ~~57~~, wherein the or each filter layer of the intermediate cladding layer is independently replaceable.

61. (Currently Amended) [[A]] An air permeable panel according to claim 58 57, wherein the or each filter layer of the intermediate cladding layer comprises one or more disposable filter elements.

62. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein the air permeable panel is pressed from a single sheet.

63. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein the air permeable panel is moulded from a plastics material.

64. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein the air permeable panel is formed of a fire retardant material ~~materials~~.

65. (Currently Amended) [[A]] An air permeable panel according to claim 46, wherein in use with the hollowed elements at or adjacent the intermediate cladding layer, the apertures present an opening of expanding volume onto the intermediate cladding layer.

66. (New) A building cladding system comprising one or more breathing wall air permeable panels and an intermediate cladding layer having filtering characteristics,

wherein the one or more breathing wall air permeable panels comprises a plurality of projections interconnected in a lattice configuration, said projections each having a tip portion, the respective tip portions being arranged to face in a common direction for engagement, in use, with said intermediate cladding layer, each said projection further having a base periphery at which adjacent projections are

interconnected, the base peripheries being interconnected such that apertures are defined between the base peripheries in the lattice configuration;

wherein the one or more breathing wall air permeable panels are provided on one or both faces of said intermediate cladding layer such that their tip portions are in engagement with the intermediate cladding layer;

wherein the building cladding system further comprises a first wall member, said first wall member for forming a wall of the envelope of a building, wherein said intermediate cladding layer and the one or more breathing wall air permeable panels are located adjacent to the first wall member and are coupled thereto;

wherein the building cladding system further comprises one or more edge members, configured to interconnect adjacent intermediate cladding layers, said edge members having limbs in a cross formation, the limbs being inclined similarly to surfaces of the projections on adjacent panels for abutment thereto.

67. (New) A breathing wall panel comprising:

an intermediate cladding layer having filtering characteristics; and

an air permeable panel for supporting said intermediate cladding layer, said air permeable panel comprising a plurality of projections interconnected in a lattice configuration, said projections each having a tip portion, the respective tip portions being arranged to face in a common direction to engage with the intermediate cladding layer, each said projection further having a base periphery at which adjacent projections are interconnected, the base peripheries being interconnected such that apertures are defined between the base peripheries in the lattice configuration.